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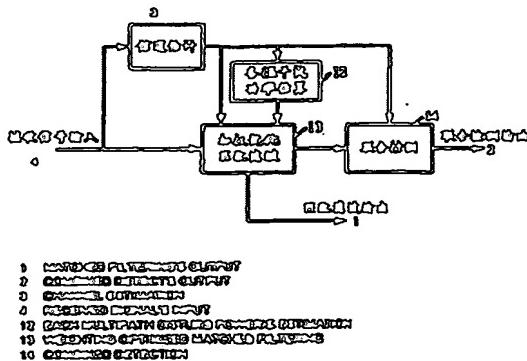
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(50) Title: METHOD FOR DETECTING THE ORTHOGONAL CODE CDMA SIGNAL

(51) 图名: 正交码CDMA信号检测方法



(57) Abstract: The present invention discloses a method for detecting the orthogonal code CDMA signal. It mainly includes: estimating the main power of each multipath signal and performing new proportion combination by using the power of each multipath signal's disturber, in order to get optimized matched filtering output; and united detecting the optimized matched filtering output. It may be two implement: when using the direct implement of optimized matched filtering, it only needs to perform the first two main steps; when using the mixed detecting implement, it needs to perform all the three steps. For the two implements estimate the main power of each multipath signal's disturber, it needs to select the disturber code's channel which join to estimation, namely selects all the code's channel of this subzone or the code's channel of this subzone which not perform united detection. As a result of using the orthogonal code characteristic and channel estimation, improve the system's performance by small cost. It can be especially used in the device of orthogonal code CDMA system.

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